

## **MOBILE STATION AND INTERFACE ADAPTED FOR FEATURE EXTRACTION FROM AN INPUT MEDIA SAMPLE**

### **ABSTRACT:**

A mobile station has a processor and a user input mechanism such as a button that is operable to cause the processor to extract at least one feature from a digital media sample. The feature, such as a spectral centroid, is descriptive of an identity of a content of the media sample. Preferably, the same user input that causes the feature extraction also causes a transmitter to establish a link and to send a message to a network address, the message having a plurality of extracted features from which the digital media sample may not be reconstructed. Where a reply message identifies a media file that matches the media sample, another user input at the same or a different button causes an authorization message to be sent so that a copy of the media file, identified in the reply message and having features that exactly match the plurality of extracted and transmitted features, is downloaded to the mobile station.